

**FIG. 1**

```
void PPS_fun()  
{  
    i = 0; 282  
    //the PPS loop  
    for (;;) 284  
    {  
        u(i);  
        i = d(); 286  
    }  
}
```

280

FIG. 2A

```
void PPS_fun_thread_0()  
{  
    for (;;) 302  
    {  
        wait for thread 1  
        u(i);  
        i = d();  
        inform thread 1 304  
    }  
}
```

300-1

FIG. 2B

```
void PPS_fun_thread_1()  
{  
    i = 0; 316  
    inform thread 0 318  
    for (;;) 312  
    {  
        wait for thread 0  
        u(i);  
        i = d();  
        inform thread 0 314  
    }  
}
```

300-2

FIG. 2C

```
Void PPS_fun_thread_0()  
{  
  for (;;)   
  {  
    AWAIT(n) ~~~~~ 322  
    u(i);  
    i = d();  
    ADVANCE(n) ~~~~~ 324  
  }  
}
```

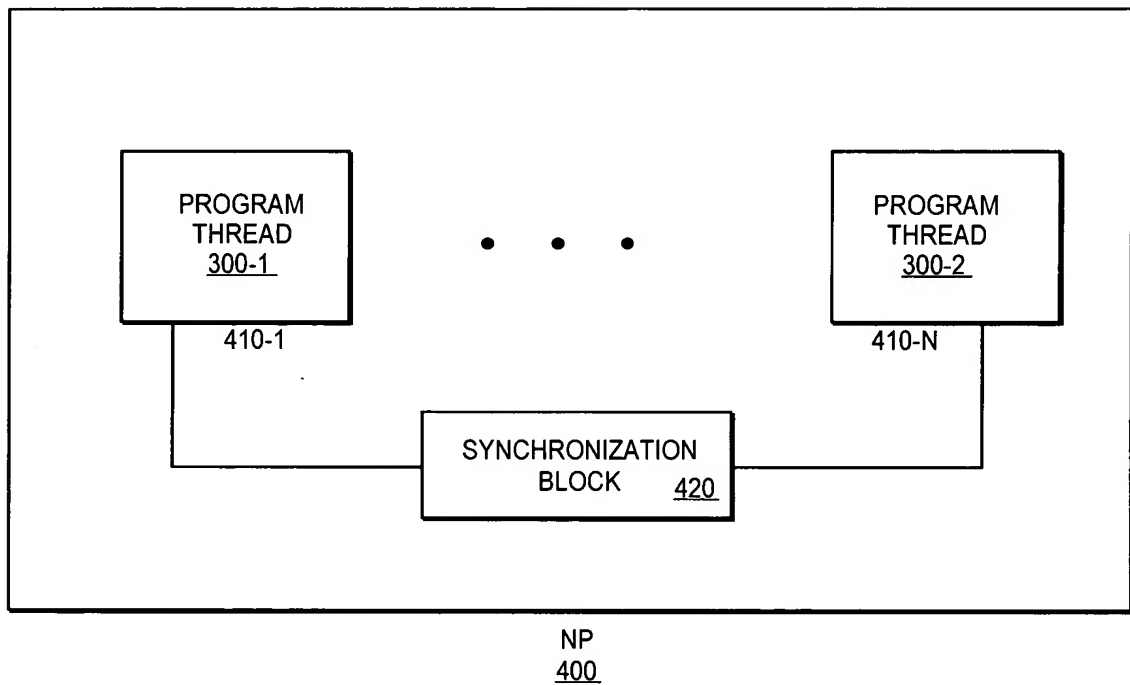
300-1

**FIG. 3A**

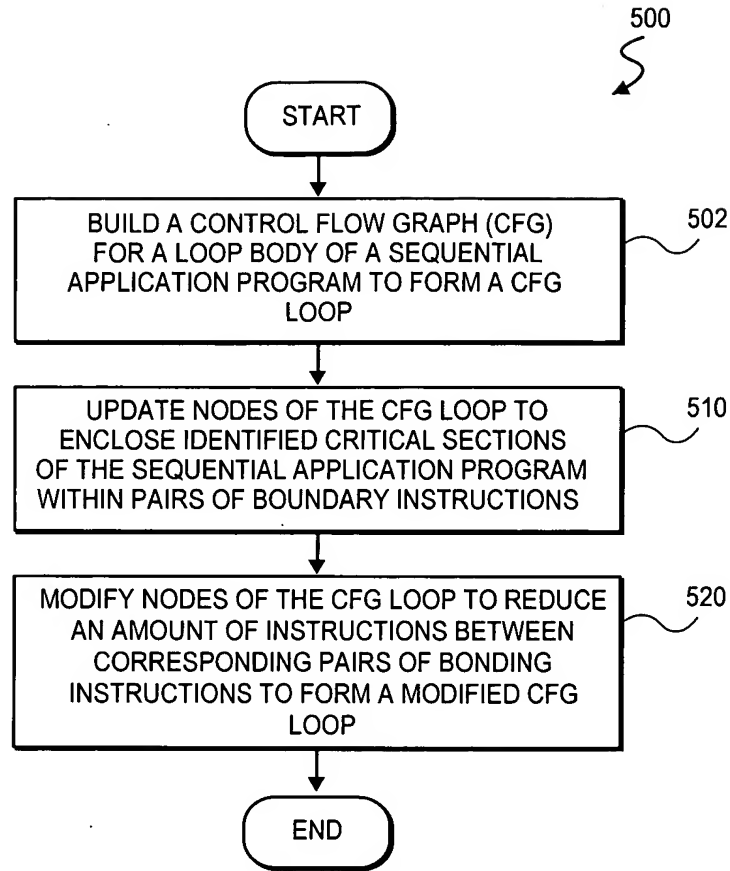
```
Void PPS_fun_thread_1()  
{  
  i = 0; ~~~~~ 326  
  ADVANCE(n) ~~~~~ 328  
  for (;;)   
  {  
    AWAIT(n) ~~~~~ 332  
    u(i);  
    i = d();  
    ADVANCE(n) ~~~~~ 334  
  }  
}
```

300-2

**FIG. 3B**



**FIG. 4**



**FIG. 5**

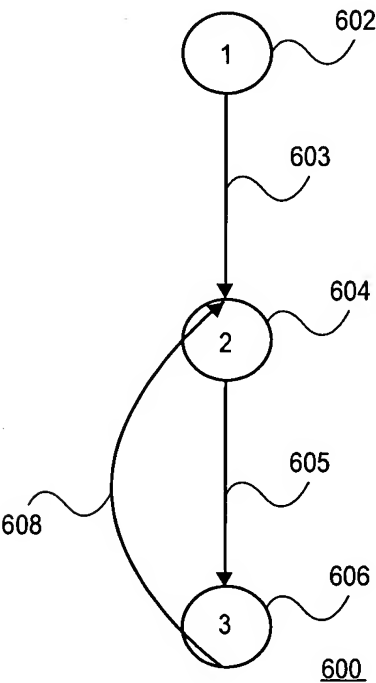


FIG. 6A

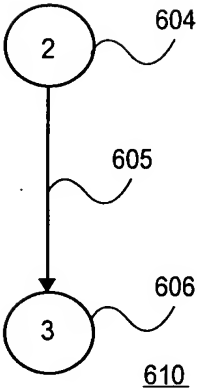
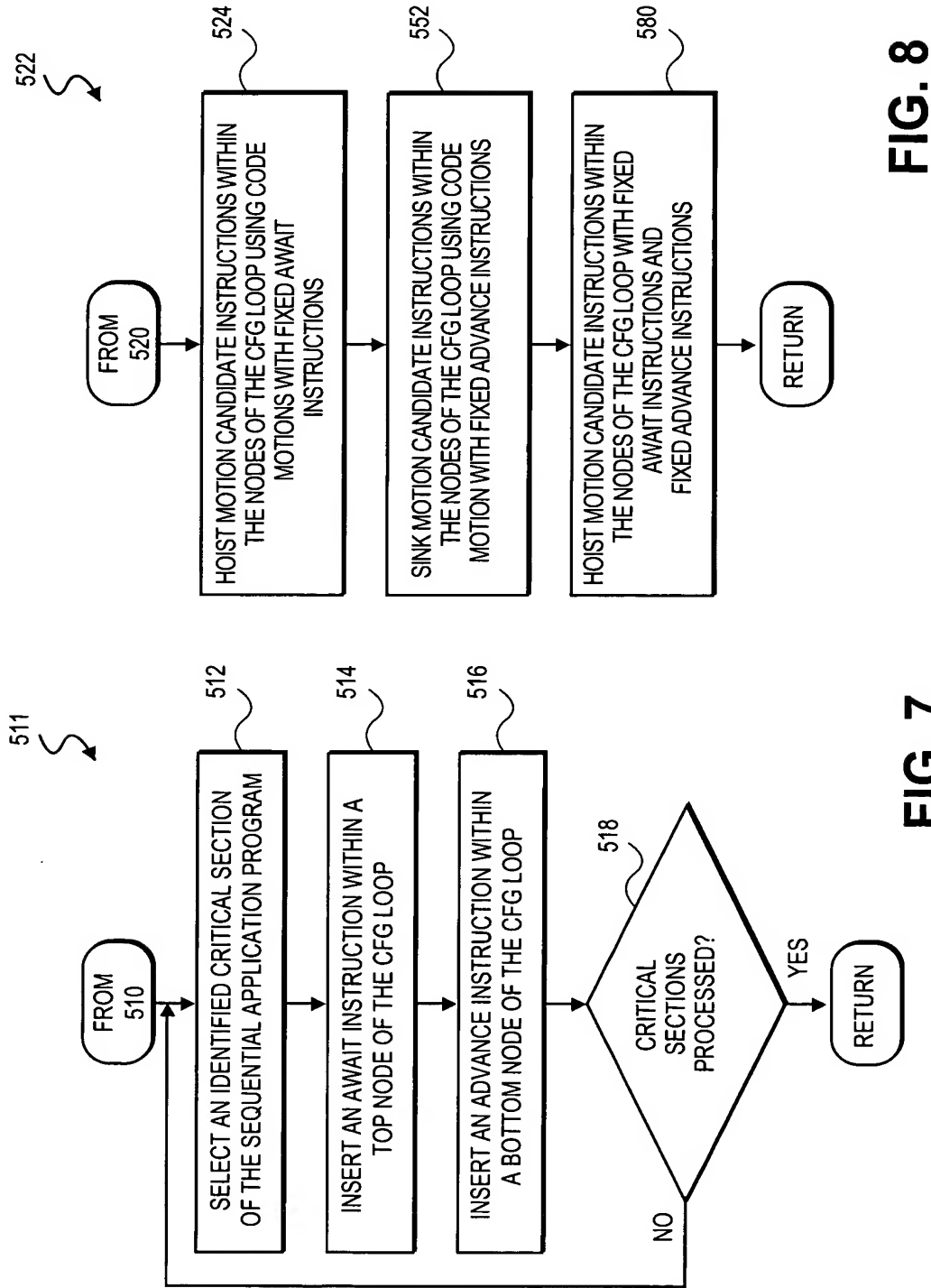
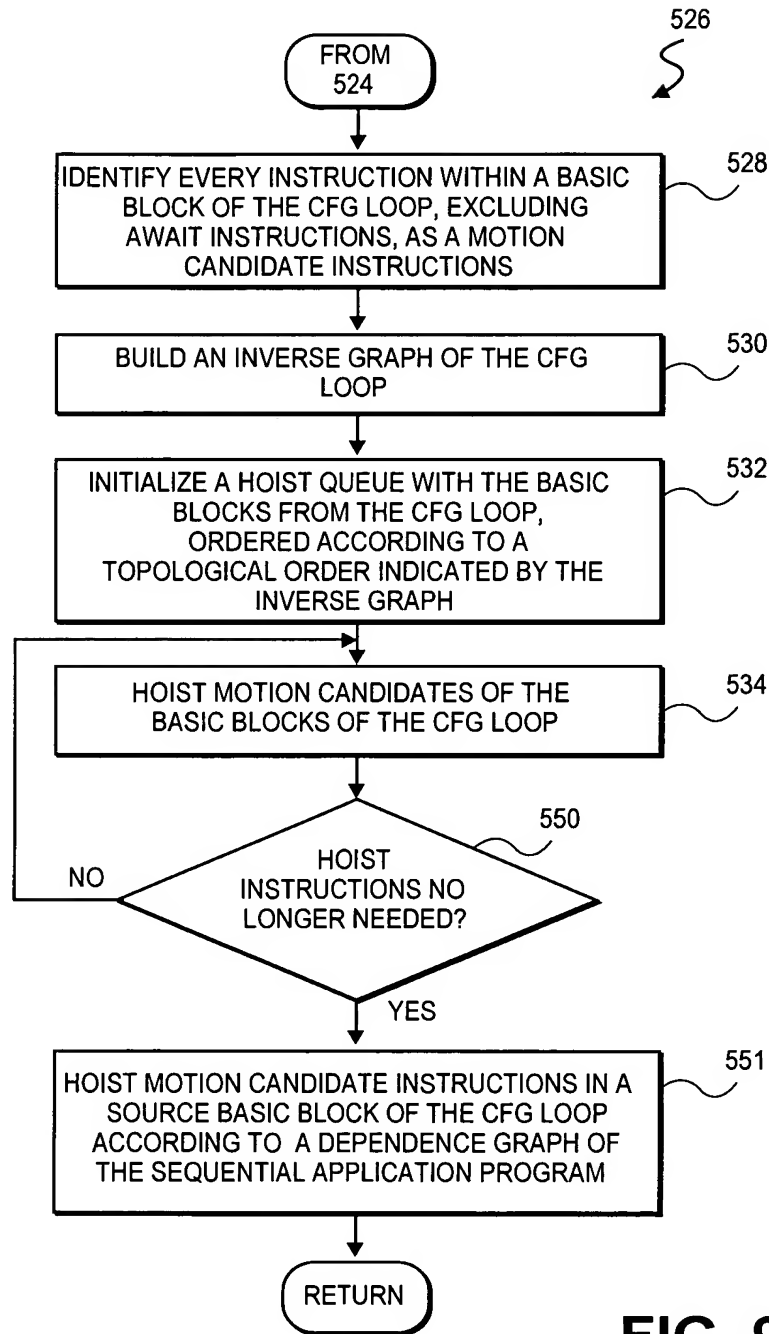


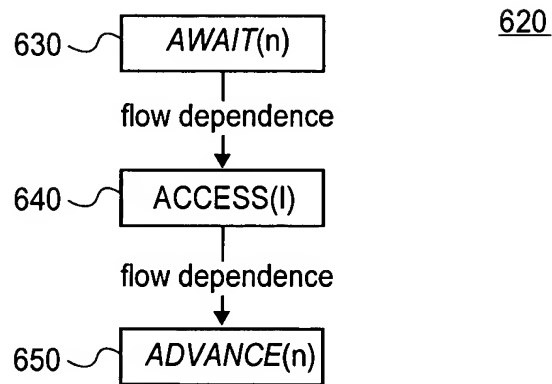
FIG. 6B



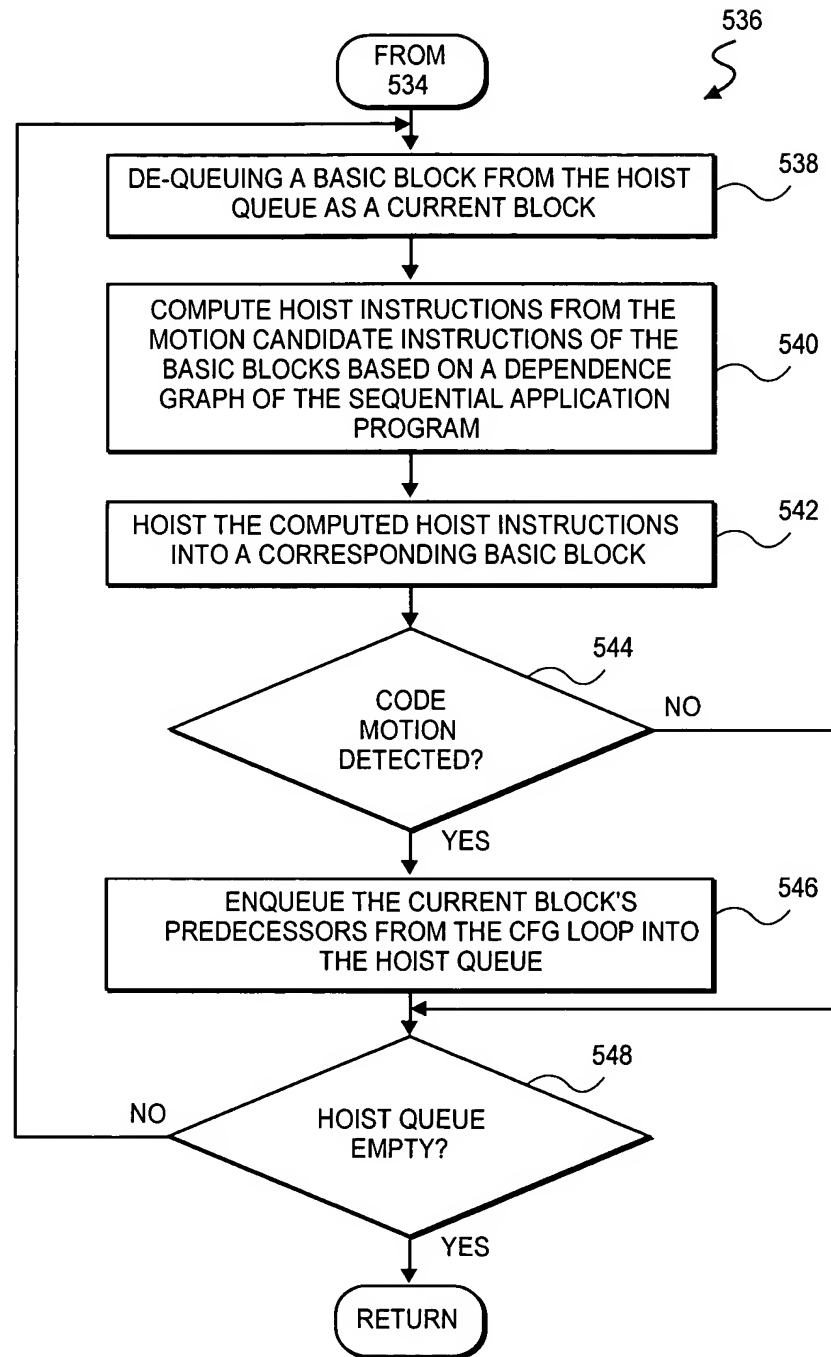


**FIG. 9**

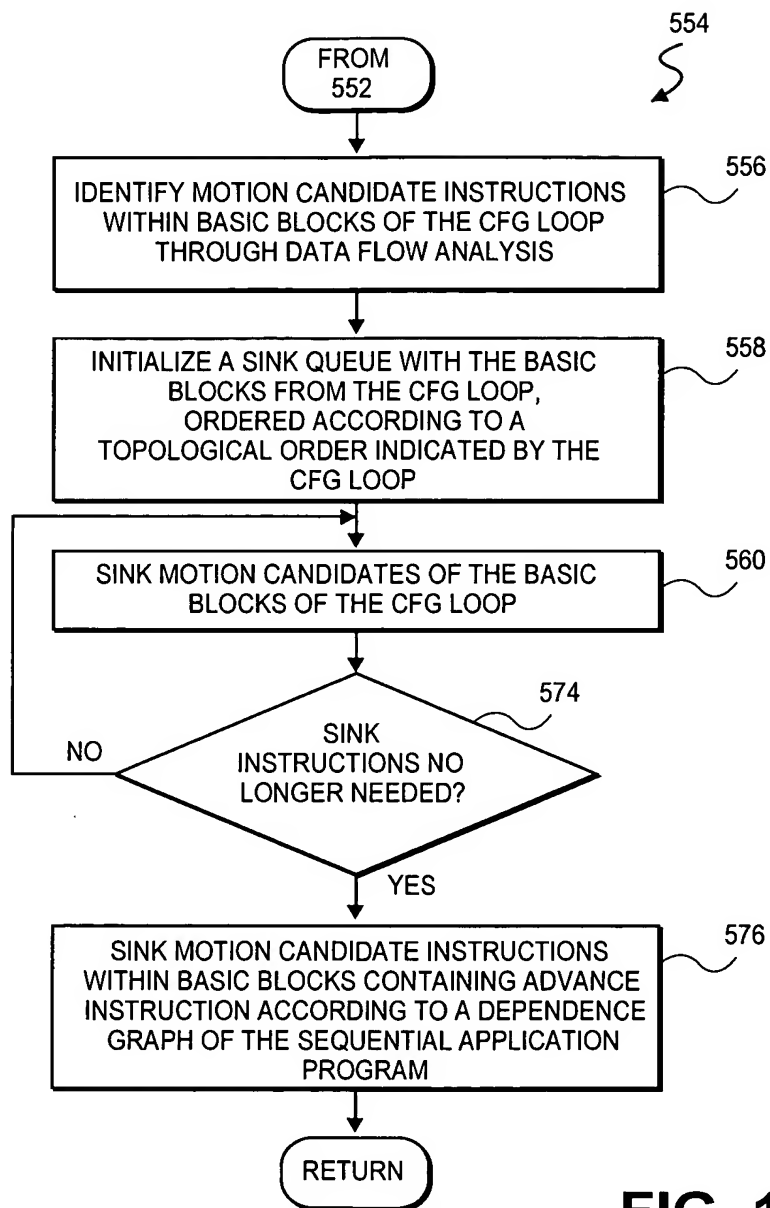




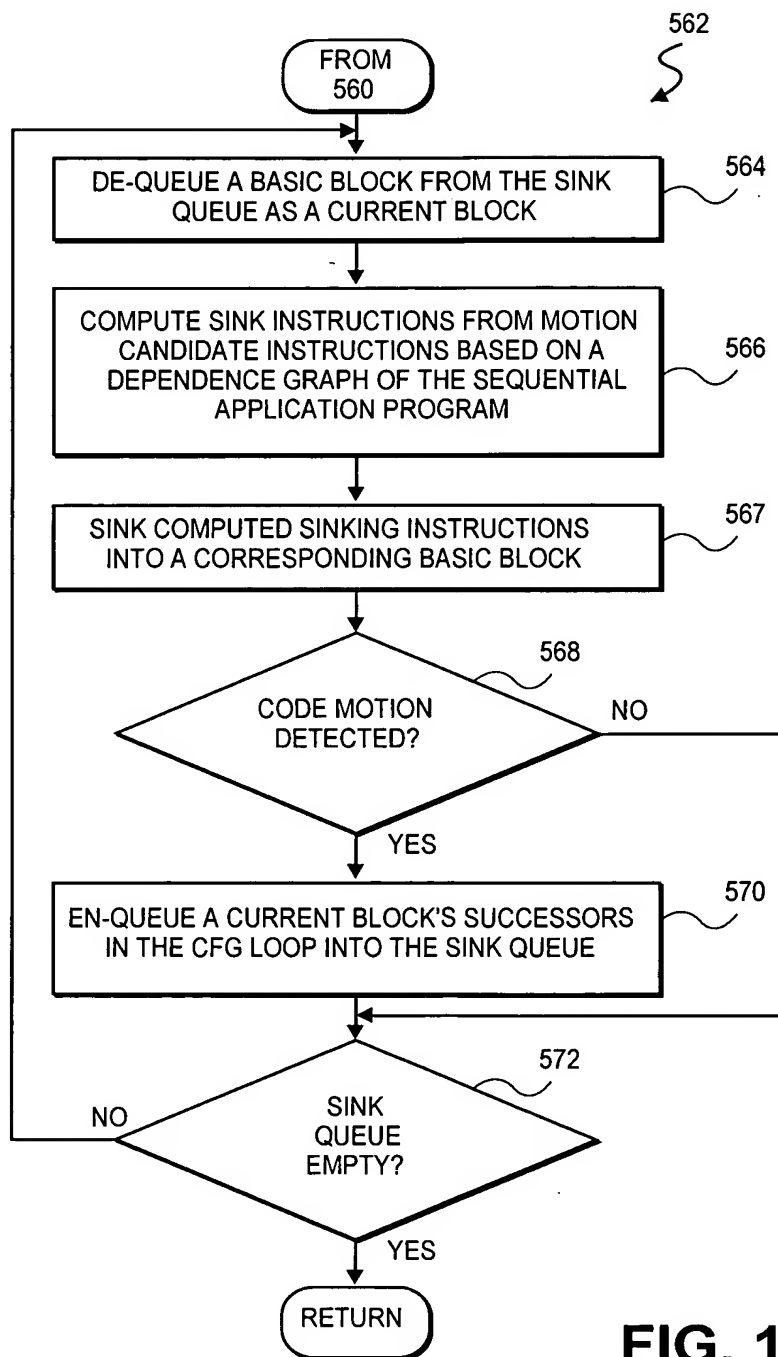
**FIG. 10**



**FIG. 11**



**FIG. 12**



**FIG. 13**

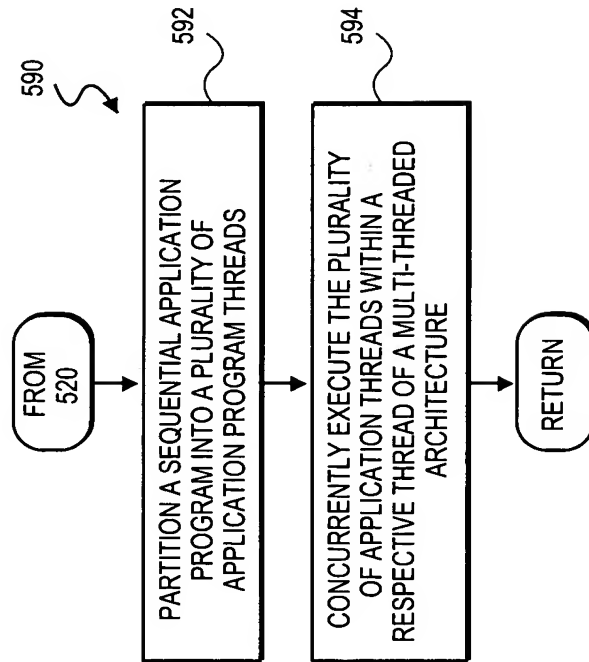


FIG. 16

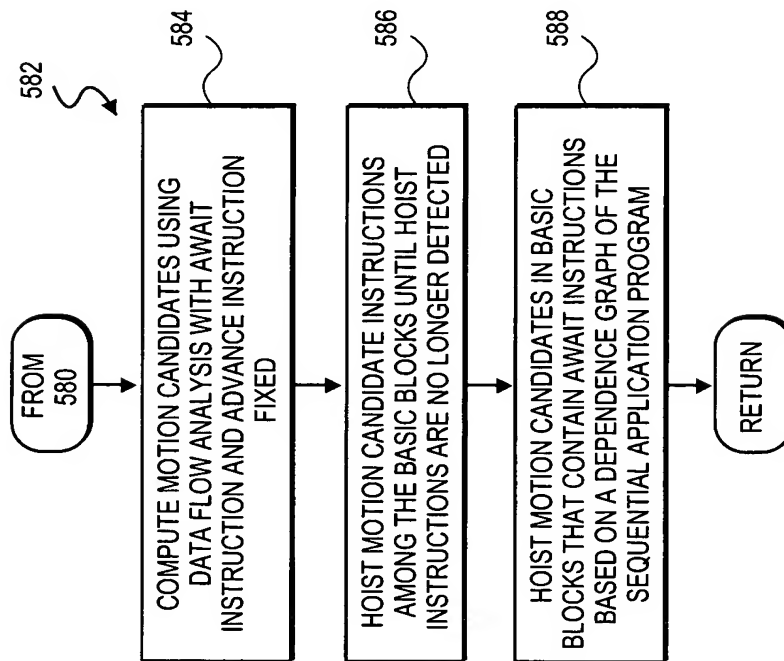


FIG. 14

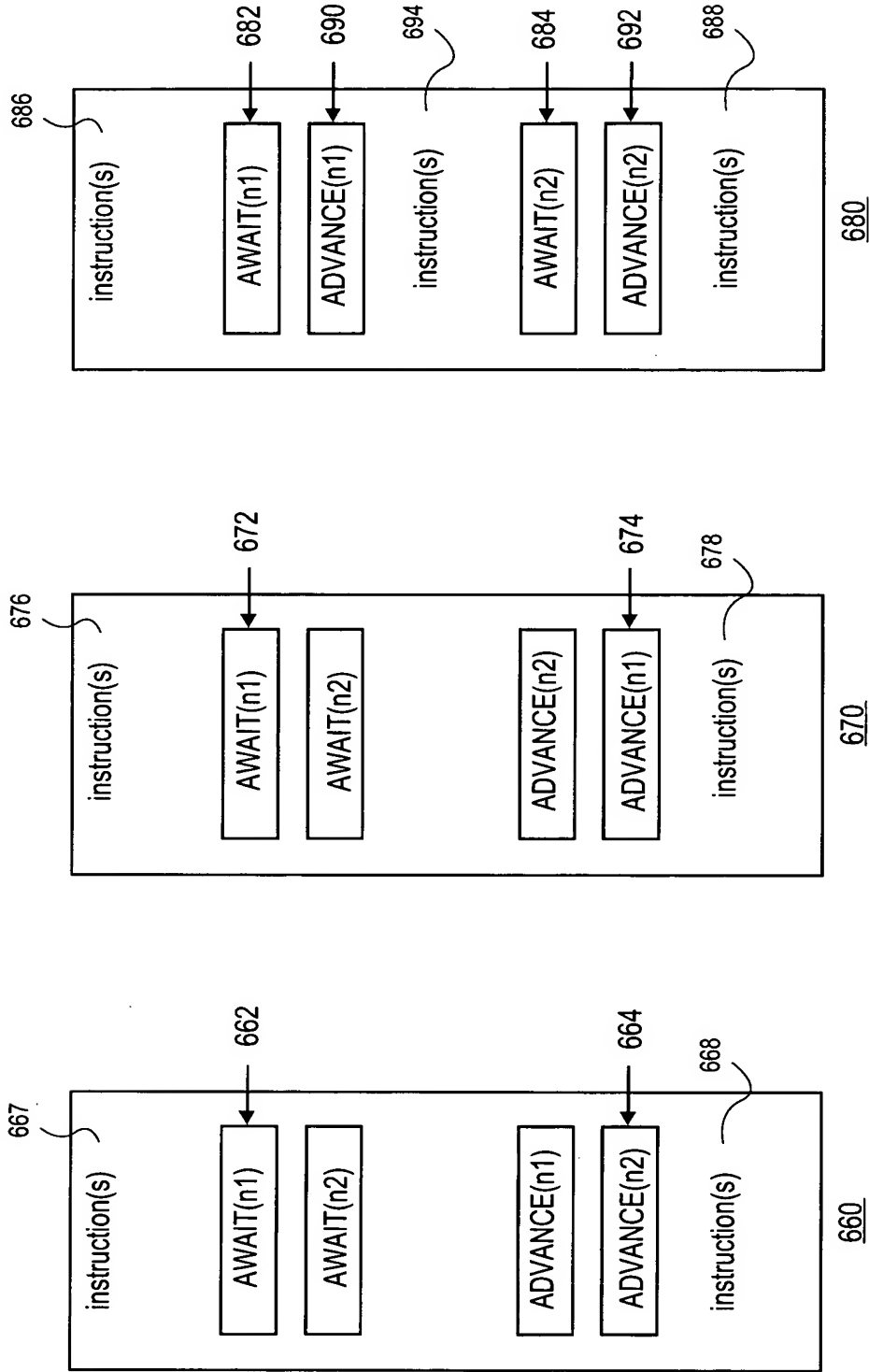


FIG. 15A

FIG. 15B

FIG. 15C